

Controls Leading to Optimal Statinary
States, by O. V. Viskov, A. N. Shirayev.
RUSSIAN, per, Trudy Inst Matematicheskiiy
Ak Nauk SSSR, No 71, 1964, pp 35-45.
*FTD-HT-67-69

Sci - Msath Sci
Mar 67

Methods of Approximate Solution of Differential
Equations, b

RUSSIAN, per, Trudy AN UKRCSR. Instytut Mate-
matyky, 1963. 11 pp.

*FTD-MI-64-233

Sci/Math

Aug 67

CRREL

R-6891-D/3
6 April 1966

Nomographs for determining the speed of snow avalanches

By: E. M. Kozik

From: Institut Matematiki i Mekhaniki Akademii

Nauk Uzbekskoi SSR, 1955, pp263#274 (12 pp)

Russian - est for wds:

Type 1 original copy only. Document may be cut for
paste-up.

Unbiased Estimations of the Quota of Permitted
Defective Material in the Single Selection Method,
by S. Kh. Sirashdinov.

RUSSIAN, per, Ak Nauk Uzbek Trudy Inst Mat 1
Mekh, No 20, 1957. *amat*

TIL Tr 4843

Sci - Mathematics
Mar 58

59,184

BD-604

(DC-2550/2).

D. G. Grebenyuk (A Biographical Sketch), 4 pp.

RUSSIAN, per, Trudy Instituta Matematiki i Tekhniki
AN UzSSR, No 21, 1957, pp 5, 6.

JPRS-L-1891-D

Sci - Misc

Oct 59

98, 596

Asymptotics of Certain Functionals
in Boundary Problems of a Two-Dimensional
Random Straying, by V/ S. Korolyuk,
6 pp.
RUSSIAN, per. Trudy Inst Matemat.
Ak Nauk UzSSSR, 1963, pp 43-48. 9698619
FTD-TT-65-675

Sci - Math & Data Proc
Dec 65

291,938

On the Use of the Averaging Method to
Solve One Equation in Partial Derivatives,
Encountered in the Theory of Oscillations,
by O. A. Zhautykov, 11 pp.
RUSSIAN, per, Trudy Inst Matematiki, Ak
Nauk UkrSSR. Priblizhennyye Metody
Resheniya Differentsial'nykh Uravneniy,
No 2, 1964, pp 52-61. P100060266
FTD-TT-65-1917

Sci - Math Sci
Nov 66

312,927

Estimates for integral operators in translation-
invariant norms., by E. K. Golovkin, and V. A.
Solonnikov., Russian, per, Trudy Mat. Inst. Steklov.
Vol 70, 1964, pp 47-58.
Am Math Soc
Vol 61, Ser 2

Sci-Math
Oct 67

342,176

On the Friedrichs model in the theory of
perturbations of a continuous spectrum.
By L. D. Faddeev.
Russian, per, Trudy Mat. Inst. Steklov.
1964, pp 292-315, Vol 73
Am Math Soc
Vol 62, Ser 2

Sci-Math
Oct 67

342,162

Theory and Technology of Flotation, by O. S.
Bogdanov.

RUSSIAN, per, Trudy Inst. Mekhanobr, NO 124, 1959,
pp 29-47, 248-260, 353-360.

CRL/T.782

Sci
Dec 62

Stability of Nonuniformly Heated Plates, by
R. A. Adadurov, 20 pp.
RUSSIAN, per, Trudy Inst Mekh, Dok Soveshch
"Teplovyye Napryazheniya v ~~POKLOK~~ Elementakh
Turbomashin, Ak Nauk USSR, No 1, 1961, pp 121-137.
9695821
FTD-TT-64-557

Sci - Engr
Feb 65

274,112

60-23032

Gulyar, Ye. M.
BASIC THEORY OF A VERTICAL SCREW CON-
VEYOR (Elementarnaya Teoriya Vertikalnogo
Vintovogo Transportera) tr. by W. Linnard. [1960]
[18]p. NIAE Trans. 84; M 1409.
Order from LC or SLA ml\$2.40, ph\$3.30 60-23032

Trans. of Institut Mekhanizatsii i Elektrifikatsii
Sel'skogo Khozyaystva. Trudy (USSR) 1956, no. 2,
p. 102-122.

A simplified theory is presented for calculations, on
vertical augers, and for horizontal augers. The cal-
culations are suitable for an auger, the surface of
which is formed by the movement of a radius normal
to the auger's axis.

(Machinery--Transport, TT, v. 5, no. 9)

- I. Conveyors--Theory
I. Gulyar, Ye. M.
II. NIAE Trans-84
III. DSIR LLU M.1409
IV. National Inst. of
Agricultural Engineering
(Gr. Brit.)

151775

Office of Technical Services

Stress State of a Rotating Conical
Shell With a Thick Wall Which Changes
Linearly, by A. D. Kovalenko, 32 pp.
RUSSIAN, per, Trudy Inst Mekh, Inzhen
Sbornik, Ak Nauk SSSR, Vol IX, 1951,
pp 143-166. PI00063466
FTD-TT-65-1460

Sci - Phys
Oct 66

312,889

Approximation Method of Solving Elastic-Plastic
Problems, by P. I. Perlin, 7 pp.
RUSSIAN, Trudy Inst Mekhaniki, Inzhnen Sbornik,
Vol XXVIII, 1960, pp 145-150. 9696073
FTD-TT-64-424

Sci - Phys
Mar 65

275,662

Investigation of Normal Drainage of Bog, by
A. I. Ivitskiy, 19xx.

RUSSIAN, bk, Trudy Ak Nauk Belorussiya SSR, ~~Monok.~~
Instytut Meliyaratsyi, Vodnai i Balotnai
Haspadarki, Vol VIII, 1958, pp 35-54. 9212590
9212816

PL-480

OTS 63-11018

Sci
14 Feb 63
Vol VIII, No 11

Investigation of Field Water Capacity of BSSSR
Peat Soils Under Sprinkling Irrigation, by
M. V. Makovskiy.

RUSSAIN, bk, Trudy Ak Nauk Belorussiya SSR,
~~Minsk~~, Instytut Meliyaratsyi, Vodnai i Balotnai
Haspadarki, Vol VIII, 1958, pp 142-154. 9212589

PL-480
075 63 -11019

Sci
14 Feb 63
Vol VIII, No 11

1
Changes in Water Permeability of Peat-Bog Soils
as a Result of Their Drainage, by L. V. Getov.

RUSSIAN, bk, Trudy Ak Nauk Belorussiya SSR, ~~Instytut Meliyaratsyi, Vodnai i Balotnai~~ ~~Haspadarki~~, Vol VIII, 1958, pp 313-327.

*PL-480

Sci -
14 Feb 63
Vol VIII, No 11

The Pest Hummocks of Kamchatka, by M. G. Et Bobov.

RUSSIAN, per, Trudy Inst Merzlotovedeniya imeni
V. A. Obrucheva,

MLL RTS 2175

Sci - Earth Sci & Astron
May 69

239658

Thermal Field Laws of the Permafrost in the
Vorkuta Region, by D. V. Redosubov, 20 pp.

RUSSIAN, per, Trudy Inst. Mrazotovedeniya im V. A.
Obrucheva, No 1, 1946, pp 137-166. CIA D 151255

Sci Tr Center RT-1875

Scientific - Geophysics Apr 55 CTS

22,792

"Trudy Instituta Merzlotovedeniya
imeni V.A. Obrucheva" (a Journal)
Vol I (1946) & Vol II (1947).

Proj #5828

Requirement
ST-72

7 July 1950
SR ~~27 Jun 50~~

Agency: U.S. Army Cold Regions Res. & Eng. Lab.
P.O. no. 72-T-36
Title: Raschet osadki protaivaiushchego sloia
gornoi porody s uchetom nagruzki (Cal-
culation of the settling of frozen ground
on thawing)
Author: Zhukov, V. F.
Source: Trudy Inst. Merzlotovedeniia im. V. A.
Obrucheva 14:60-63, 1958.
Language: Russian
Spec. instr. Please translate & type 1 copy

The Residual Vein Polygonal Relief of the Far
East, by L. S. Khonichevskaya.

RUSSIAN, per, Trudy Instituta Mrazlotovedeniya
Imeni V. A. Obrucheva, Vol XVI, 1960, pp 36-45.

MLL RRS 2174

Sci -
Jul 63

238,175

Outline of Regional and Historical Cryimology
(Ocherki po Regional'noi Istoricheskoi Kriologii).

RUSSIAN, per, ^{11/13} Ak Nauk SSSR. Inst Merzlotovedeniya:
Iz Ak Nauk SSSR, 1961, pp 108.

*PL-480

Sci -
Aug 63

Physical and Chemical Processes in Freezing and
Frozen Rocks (Fiziko-Khimicheskie Protsessy v
Promerzaiushchikh i Merzlykh Gornykh Porodakh),

RUSSIAN, per ¹AK Nauk SSSR Inst Merzlotovedeniya, Iz
Ak Nauk SSSR, 1961, 110 pp.

*PL-480

Sci -
Aug 63

Heat Exchange and Mass Transfer in Frozen Soils and
Rocks (Teplo i Massoobmen v Merzlykh Pochvakh i
Gornykh Porodakh).

RUSSIAN, per, ^{1/4} Ak Nauk SSSR. Inst Merzlotovedeniya:
Iz Ak Nauk SSSR, 1961, 110 pp.

*PL-480

Sci -
Aug 63

Field Studies of Permafrost: Methodological Manual
(Polevye Geokriologicheskie (Merzlotnye)
Issledovaniia; Metodicheskoe Rukovodstvo).

RUSSIAN, per, ¹⁷⁴¹Ak Nauk SSSR Inst Merzlotovedeniya,
Iz Ak Nauk SSSR, 1961, 422 pp.

*PL0480

Sci -
Aug 63

The Origin and Evolution of Fossil Ice, by A. I.
Popov,

RUSSIAN, per, Trudy Inst Merzlotovedeniya Materialy
k osnovam ucheniya o merzlykh zonakh zemnoi kory,
Ak Nauk SSR, No 2, 1955, pp 5-25.

ATS RJ-1048

Sci - Geophys
Jul 59

91,273

problems of Interaction Between Subsurface Waters and
Permafrost Rocks in the Area of the Aldan Crystalline
massif, by N. A. Vel'mina, 5 pp.

RUSSIAN, Trudy, Inst Mineralovedeniya, Materialy po
obshchemu Mineralovedeniyu, 1979,
p 138-141. 921294

OTS 63-11133
PL-480

1 - Earth Sci & Astron
at 63

345, 377

Structural Changes in Nozzle Guide
Vaness From a Cast Alloy, by V. N.
Gridnev, et al.

RUSSIAN, per, Akad Nauk UkrSSR
Sbr. Nauchn. Trudov. Inst. Metallofiz,
1963, No 17, pp 90-1,000.
NLL 5828.4 1964 (5489) (On Loan)

Aug 65

286,946

Thermal and Dilatometric Effects During
Annealing of Deformed Zirconium, by
B. F. Slyusar, 8 pp.
RUSSIAN, per, Trudy Inst Metalofiziki,
Ak Nauk UkrSSR. Sbornik Nauchnykh Rabot,
No 17, 1963, pp 68-71. P100064966
FTD-TT-65-1488

Sci - materials
Nov 66

Effect of Gd on Change of Magnetic Properties
of Ni. During Compression From All Sides,
by I. Y. Dakhtyar and D. A. Levina.
RUSSIAN, per, Akad Nauk Ukr. SSSR Sbornik
Nauchn Trudy Instituti Metallofiz, Voprosy
Fiz. Metalloved, 1963, No 17, pp 60-63.
MLL 5828.4 1964 (5487) (On Loan)

Aug 65

286,469

Chrome-Niobium-Titanium System, by
V. N. Svechnikov, Yu. A. Kocherzhinskiy, 5 pp.
RUSSIAN, per, Trudy Inst Metallo Sboztanik Nauch
Rabot Voprosy Fiziki Metallov i Metall, No 16,
1962, pp 128-131. 9696078
FTD-TT-64-810

Sci - M/M
Mar 65

275,655

Cr-Ti Phase Diagram, by V. N. Svechnikov,
Yu. A. Kocherzhinskiy, 6 pp.
RUSSIAN, per, Trudy Inst Metallofiziki Sbornik
Nauch Trudov, Voprosy Fiziki Metallov i Metall,
Ak Nauk UKrain SSR, No 16, 1962, pp 132-135.
9695857
FTD-TT-64-680

Sci - Chem
Feb 65

274,132

Fundamental Solution of the Approximate
Equations of the Steady-State Problem
of the Heat Conductivity of Sloping Shells,
by S. Ya. Yarema.

RUSSIAN, per, Trudy Inst Mash i Avtomatiki,
Ak Nauk UkrSSR, No 3, 1964, pp 88-94.

*PTD-TT-65-1140

Sci - Phys
Aug 65

The Use of Liquid-Metal Melts in
Various Industrial Fields, by M. L. Chayevskiy.
RUSSIAN, per, Trudy Inst Mashynoznavstva
i Avtomatyky, No 9, 1962, pp 2-10.
*FTD-HT-23-561-67

Sci - Materials
Mar 67

Thermal and Dilatometric Effects During
Annealing of Deformed Zirconium, by
B. F. Slyusar.

RUSSIAN, per, Trudy Instytut Metalofizyky
Sbornik Nauchnykh An UkrSSR, No 17, 1963,
pp 68-71.

*FTD-TT-65-1488

Sci-Phys
Sep 65

Phase Diagram of the Niobium-Nickle
System, by V. N. Srednikov, V. N. Pan,
et al.

RUSSIAN, per, Trudy Institut Metallofiziki
Sbornik Nauchnyk AN UkrSSR, No 19,
1964, pp 196-205.

*FTD-TT-65-1489

Sci-Phys
Sep 65

Separation of Manganese in the Form of
Dioxide from Nickel and Cobalt, by
E. S. Dzhaparidze and D. A. Gorgishvili,
RUSSIAN, per, Tr. Inst. Met. AN GruzSSR,
No 13, 1962, pp 255-263.
MLL 5828.4 1965 (5826)

Sci-Materials
Apr 67

322,958

Chemical Properties and Analysis of Some
Nitrides, by O. I. Popova, G. T. Kabannik, *S. S. S.*

RUSSIAN, Trudy, Institut Metallokeramiki i
Spetsial'nykh Splavov. Seminar Po Zharostoykim
Materialam, No. 6, 1960, pp 64-68. *Q 13 117*

Ukrainian SSR
FTD-TT-62-1825

Sci/Chem
Dec 62

Jan 1963
Q 13 117

On Methods of Measurement of Microhardness
on Anisotropic Crystals, by V. A. Kokoshkin,
12 pp.
RUSSIAN, per, Trudy Inst Metallurgii, No 11,
1962, pp 114-119. 9697870
FTD TT-65-254

Sci
Chem

288,534

Chemical Properties and Methods of Analyzing
Chromium Carbides, by T. Ya. Kosolapova,
G. V. Samsonov, 8 pp.

RUSSIAN, bk, Trudy (Ak Nauk Ukrayin RSR) Inst
Metall i Spetsialnykh Splavov. Seminar po
Zharostoykim Materialam, No 6, 1961, .4
9683117 pp. 38-44

FTD-TT-62-1825

Sci-Chem
Jun 63

232,467

Chemical Properties and Methods of Analyzing
Borides of Transition and Rare-Earth Metals,
by L. N. Kugay, 10 pp.

RUSSIAN, bk, Trudy Ak Nauk Ukrayin RSR, Inst
Metall i Spetsialnykh Splavov. Seminar po
Zharostoykim Materialam, No 6, 1961. 9683117

FTD-TT-62-1825

Sci-Chem
Jun 63

232,468

Analysis of Titanium, Chromium and Zirconium
Borides, by V. G. Shcherbakov, R. M. Veytsman,
et al, 10 pp.

RUSSIAN, bk, Trudy (Ak Nauk Ukrayin SSR) Inst
Metall i Spetsialnykh Splavov. Seminar po
Zharostoykim Materialam, No 6, 1961. 9683117

FTD-TT-62-1825

pp 52-58

Sci-Chem
Jun 63

932,469

Chemical Properties and Analysis of Some
Nitrides, by O. I. Popova, G. T. Kabannik, 8 pp.

RUSSIAN, bk, Trudy Ak Nauk Ukrayin RSR, Inst Khimicheskoy
Metall i Spetsialnykh Splavov. Seminar po
Zharostoykim Materialam, No 6, 1961, V 9683117

Phys, pp 64-68.
PTD-TT-62-1825

Sci-Chem
Jun 63

232,462

Chemical Properties and Methods of Analyzing
Certain Silicides, by T. Ya. Kosolapova,
L. N. Kugay, 8 pp.

RUSSIAN, bk, Trudy Akad. Nauk Ukrayin RSR, Inst
Metall i Spetsialnykh Splavov, Seminar po
Zharostoykim Materialam, No 6, 1961. 9683117
PP-69-74
FTD-TT-62-1825

Sci-Chem
Jun 63

232,463

X-Ray Spectra and Interatomic Bonding in
Solid Metal-Like Compounds, by V. S. Nespor.

OK
RUSSIAN, ~~per~~, Trudy Ak Nauk URSR, Institut
Metallokeramiki i Spetsial'nykh Splavov, Kiev,
1962, pp 46-74.

*AEC

Sci - Chem

May 63

Investigation of Cyclic Strength of Metals
by the Method of Recording Diagrams of
Fatigue, by T. A. Lebedev, et al.
RUSSIAN, per, Trudy Inst Met Tsiklicheskaya
Prochnosti Metal, Akad Nauk SSSR, 1960,
pp 141-146.
*FTD-TT-65-1402

Sci-W/M
Sep 65

Degassing of Electro-Chemical Steel in
Vaccuum, by P. Ya. Sorokin
RUSSIAN, per, Trudy, Institut Metallurgiy
No. 2, 1958, pp. 67-72.
ETC-69-36755
*BISI -7868

Mar 70

404,647

A Study of Mutual Diffusion in the Cu-Au System,
by I. B. Borovskiy.
RUSSIAN, per, Trudy Inst Metal, No 15, 1963,
pp 32-40.
*CFSTI TT 70-59113

Sci- *page*
June 70

A Study of Self-Diffusion in Metals in the Area of
Phase Transitions, by N. A. Bogdanov.

RUSSIAN, per, Trudy Inst Metal, No 15, 1963,
pp 138-146.

*CFSTI TT 70-59112

Sci- +
June 70

Effect of Thermomechanical Treatment of
Susceptibility to Tempering Brittleness, by
L. G. Sakvarelidze, F. N. Tavadze, 10 pp.
RUSSIAN, per, Trudy Inst Metallurgii, Ak Nauk
GruzSSR, Vol XII, 1962, pp 159-165. 9695903
FTD-TT-64-609

Sci - M/M
Feb 65

274,076

Measurement of Molten Slags by Means of an
Electronic Viscosimeter, by L. M. Tsylov,
G. A. Sokolov.

ngii
RUSSIAN, per, Trudy Inst Metall Ak Nauk SSSR,
imeni A. A. Baykova, No 1, 1957, pp 34-38.

DSIR LLU M. 1283
Dept of Interior

OTS 59-22372

Bu of Mines
Br of Bituminous
Coal Research
IN7, E57, No 243

Sci - Electron

111, 424

The Treating of Liquid Steel Under Vacuum in a
Ladle and Mould, by A. M. Samarin, et al.
UNCLASSIFIED

RUSSIAN, per, Trudy Inst Metall in A. A. Baykova,
No 1, 1957, pp 39-50.

Co-Op Tr Schem 494
(14.16s.)

Sci - Phys; Min/Met
Dec 58

77,644

Production of Chromium and Carbon-Free
Chrome by the Method of Vacuum Sintering,
by A. M. Samarin, A. A. Vertman.

RUSSIAN, per, Trudy Instituta Metallurgii
imeni A. A. Baykova, No 1, 1957, pp 60-66.

Dept of Interior
Bur of Mines
Br of Bituminous Coal
TN7, E57, No 281

Sci - Min/Met

117,408

Mar 60

Investigation of the Cathodic Polarisation of Nickel
in Sulphate Solutions, by L. V. Pliginskaya, et al.
UNCLASSIFIED

RUSSIAN, per. Trudy Inst Metali in A. A. Baykova,
No 1, 1957, pp 78-84.

Co-Op Tr Scheme 487
(12.16s.)

Sci - Min/Met
Dec 58

77,646

Interaction of Titanium With Its Tetrachloride, by
V. A. Ryabov, et al. UNCLASSIFIED

RUSSIAN, per, Trudy Inst Metall imeni A. A. Baykova,
VOL I, 1957, pp 85-92.

Co-Op Tr Scheme 505

Sci - Chem
Dec 58

Sept 58 Int'l
TH 7 E 51 No 350

78,045

On the Volume and Grain Boundary Diffusion of Ni in
Ni-Fe Alloys, by L. I. Ivanov.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Met, No 1,
1957, pp 104-107.

*CFSTI TT 70-58197

Sci-Chem
June 70

Investigation of the System Mn-Ce, by M. S.
Chaplovskaya, I. A. Strel'nikova, 5 pp.

RUSSIAN, per, Trudy Inst Met im A. A. Balkova, No 2,
1957, pp 135-138.

AEC Tr-3920

Sci - Min/Metals

Apr 60

114, 737

Phase Diagram of the Mg-Mn System, by D. A.
Petrov, M. S. Mirgalovskaya, I. A. Strel'nikova,
E. M. Komova, 4 pp.
RUSSIAN, per, Trudy Inst. Met. in. A. A.
Baikova, Akad. Nauk, SSSR, No 1, 1957, pp 142-
143. F911223267
ABC UCRL Tr-10088

331,116

Sci - Nuclear Science
Jul 67

The Mechanical Properties of Cast Rhenium, by
E. M. Savitskiy, M. A. Tylkina, 5 pp.

RUSSIAN, per, Trudy Inst Met imeni A. A. Baikova,
Part I, 1957, pp 158-161.

AEC Tr 3221

Sci - *Min/Met*
~~Encl~~

Sep 58

79,746

Diagram Composition-Heat Resistance of Alloys of
the Binary System Ti-Al, by I. I. Kornilov, Ye. N.
Pylayeva, M. A. Volkova, 7 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR, Institut Metal,
Vol II, 1957, pp 164-166.

SLA 60-14509

Sci

OTS, Vol IV, No 3

129,438

Oct 60

60-51087

PHYSICAL AND PROCESS METALLURGY AND
PHYSIOCOCHEMICAL RESEARCH METHODS
(Metallurgiya, Metallovedenie, Fiziko-Khimicheskie
Metody Issledovaniya) tr. by A. Aladjem and others.
1961, 336p. 234 refs. PL-480 Comm.
Order from OTS \$3.50 60-51087

Trans. of Akademiya Nauk SSSR. Institut
Metallurgii. Trudy, 1958, no. 3.
*Separate trans. available elsewhere.

DESCRIPTORS: *Metallurgy, Titanium compounds,
Magnetite, Carbon, Carbon compounds, Monoxides,
Reduction, Cast iron, Slags, Viscosity, Blast
furnaces, Physical properties, Ores, Fuels, Com-
bustion, Melting, Steel, Plasticity, Deformation,
Transformations, Dislocations, Metals, Diffusion,
Heat resistant alloys, Nickel alloys, Copper alloys,
Hardness, Sulfides, Alloys, Zinc compounds, Oxides,
(Metallurgy, TT. v. 7, no. 10) (over)

- I. PL-480 Comm (60-51087)
- II. National Science Founda-
tion, Washington, D. C.

CP 295-306 R151 2497

Office of Technical Services

On the Reduction of Ore-Coal Pellets, by T. V.
Gubin, L. M. Tsylev.

RUSSIAN, per, Trudy Inst Metallurgii imeni A. A.
Baikov, No 3, 1958, pp 63-68.

HB 4924

Sci - Min/Met

Jun 61

156, 910

Investigation of Alloys of the System Nickel-
Chromium by Hot Hardness Test. *in R. A.*
Osipov, E. M. Miroshkin.

Issled., por. srudy Inst Metallurgii imeni
A. A. Baikova, Ak Nauk SSSR, No 3, 1958, pp 160-164.

NLL M. 3649

Sci - min/metals

Aug 62

207,188

Mechanical Properties and Recrystallization
Diagram of Iodide Zirconium, by E. M. Savitskiy,
V. F. Terekhova, 14 pp.

RUSSIAN, per, Trudy Inst. Met. imeni A. A. Baikova,
No 3, 1958, pp 181-190.

AEC Tr-4093

Sci - Phys
Aug 60

123,982

The Mechanical Properties of Silicon at Various
Temperatures, by E. M. Savichkiy, V. V. Baron,
6 pp.

RUSSIAN, per, Trudy Inst Metal imeni A. A. Baykova,
No 3, 1958, pp 191-194.

ACSI H-6043

ID 2147194

kept out

No 371

TN57 E57 129,879

Bci - Chem
Oct 60

The Structure of Aluminium Alloys With Mg and
Sn, by T. A. Badayeva, R. I. Kuznetsova.

RUSSIAN, per, Trudy Inst Metall Ak Nauk, No 3,
1958, pp ~~200~~-215.

203

NIL M. 4609
OT 4679

Submer 100

182,629

Sci - Min/Met

Feb 62

INVESTIGATION OF THE LIQUIDUS SURFACE IN
ALUMINIUM BASE SOLID SOLUTIONS IN THE
SYSTEM ALUMINIUM-MAGNESIUM-GERMANIUM, BY
T. A. BADAYEVA, R. L. KUZNETSOVA.

RUSSIAN, PER, TRUDY INST METALLURGI
AK NAUK SSSR, NO 3, 1958, PP 216-230.

NLL M.4652

SCI - M/M

JUN 62

199,119

Academy of Sciences USSR

Metallurgy, Physical Metallurgy, Physico-Chemical
Methods of Investigation.

RUSSIAN, per, Trudy Inst Metallurg imeni A. A. Baikov,
1958, pp. 303.

pp. 63-68-----HB 4924

pp. 181-190-----AEC Tr 4093

pp. 191-194-----ACSI H-6043
ID 2147194

*PL 480

OTS 60-51087

Dec 61

Influence of Change of Direction of Plastic
Deformation on Certain Properties of a Metal, by
I. M. Pavlov, V. Ya. Mezis.

RUSSIAN, per, Trudy Inst Metallurgii, Ak Nauk
SSSR, No 3, 1958, pp 295-306.

BISI 2497

Sci - Min/Metals

May 62

list 132

196, 194

Shumilov, M.A., Gel'd, P.V. and Sidorenko, F.A.
QUELQUES PARTICULARITÉS DU PROCESSUS DE
DÉSAGREGATION DU FERROSILICUM (Some Charac-
teristics of Disintegration of Ferrosilicon). 20p.
20 refs. CNRS-XVII 586.

Order from OTS, ETC or CNRS \$0.80 TT-62-28229

Trans. in French of Akademiya Nauk SSSR, Institut
Metallurgii. (Trudy, 1959, p. 445-456) [sic].

DESCRIPTORS: *Iron alloys, *Silicon alloys, *Phase
studies, Stability, Calcium, Heating

(Metallurgy--Structural, TT, v. 11, no. 7)

TT-62-28229

- I. Shumilov, M.A.
- II. Gel'd, P.V.
- III. Sidorenko, F.A.
- IV. CNRS-XVII 586
- V. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translation Centre

Some Problems in Physical Investigations of Metals
and Alloys, by I. B. Borovskiy.

RUSSIAN, per, Trudy Inst Metallurg imeni A. A.
Baikova, No 4, 1960, pp 3-8.

HB 5182

Sci

170,692

Sep 61

Determination of Humidity of Blast Furnace Wind,
by A. M. Chernyshev, et al.

RUSSIAN, per, Trudy Inst Metallurg imeni A. A.
Baikova, No 4, 1960, pp 53-57.

HB 5086

Sci - Engr

Jul 61

161,019

Crushing Strength of Coke at Various [High]
Temperatures, by L. V. Bardina.

RUSSIAN, per, Trudy Instituta Metall Im.
A. A. Baikova, Vol IV, 1960, pp 58-66.

HB 5087

Sci - Min/Met
Oct 61

171, 869

Determination of Columbium in [Pig and Cast] Irons,
by A. I. Ponomarev, A. Ya. Sheskol'skaya.

RUSSIAN, per, Trudy Inst Metallurg imeni A. A. Baikova
No 4, 1960, pp 240-242.

HB 5129

Sci
Aug 61

163,188

Effect of Segregation of Elements in Cast Technical
Iron on Plasticity, by G. N. Mekhed.

RUSSIAN, per, Trudy Inst Metallurg imeni A. A.
Baikova, No 4, 1960, pp 254-256.

HB 5130

Sci

Aug 61

163,189

Effect of Deoxidation With a Mn-Si-Al Alloy on
Quantity and Composition of Oxide Inclusions in Steel
by Yu. T. Foryst, V. A. Mehedlishvili, A. M.
Samarin.

RUSSIAN, per, Trudy Inst Metal imeni A. A. Baikova,
No 5, 1960, pp 22-35.

HB 5154

FTD MCL-1052/1

9671496

30

164,329

Sci - Min/Metals, Chem

Aug 61

Influence of Cold Deformation on the Properties
of Aluminium-Copper and Aluminium-Copper-
Magnesium Alloy Under Different Ageing
Conditions, by Z.A. Sviderskaya, A.A.
Vashchenko.
RUSSIAN, per, Trudy Inst. Metall. No. 5, 1960,
pp 95-99
GB/39/Me/M/21295

Sci -
Aug 67

335
~~355~~-335

(SF-1029).

Fusibility Diagram of the Ti-Cr-Mo System, by
N. B. Grum-Grzhimaylo, V. G. Gromova, 8 pp.

Trudy
RUSSIAN, per, ~~Dokl~~ Inst Metall imeni A. A. Baykov,
No 5, 1960, pp 145-150.

JPRS 4038


Sci - Chem
Sep 60

125,947

(SF-1029).

Investigation of the Structure and Physicochemical Properties of Alloys of Molybdenum Disilicide With Nickel, Cobalt, Vanadium and Niobium, by Ye. M. Savitskiy, V. V. ~~De~~ Baron, 10 pp.

Trydy
RUSSIAN, per, ~~Dok~~ Inst Metall imeni A. A. Baykova, No 5, 1960, pp 156-161.

JPRS 4046

Sci - Chem
Sep 60

FTD MCL-1052/1
125,944

Effect of Order-disorder Transition on Diffusion,
by I. B. Borovskiy.
RUSSIAN, per, Trudy Ak Nauk SSSR Inst Mat Im A.A.
Baikova, No 6, 1960, pp 77-80.
*CFSTI TT 70-58200

Sci-Phys
June 70

The Effects of Variable Load on the Stress-
rupture Properties of Steel, by I. A. Odling,
V. V. Burdukakiy.

RUSSIAN, per, Trudy Inst Metallurg imeni
A. A. Baikova, Ak Nauk SSSR, Vol VI, 1960,
pp 77-88.

MLL M 3940

Sci - M/M
Feb 63

223,564

The Mechanism of Loss of Strength During Creep
Under High Temperature Conditions, by I. A.
Odin, V. N. Geminov.

RUSSIAN, per, Trudy Inst Metallurg imeni
Dr. A. A. Baikova, Ak Nauk SSSR, Vol VI, 1960,
pp 89-94.

NIL M 3940

Sci - Engr
Feb 63

223,566

Effect of Magnesium on the Solubility of
Oxygen in Nickel and Iron-Nickel Melts,
by P. A. Cherkasov.

RUSSIAN, per, Trudy Inst Met imeni Baykova AN
SSSR, 1961, pp 33-40.

ALL M 3947

Sci - M/M
Feb 63

223591

Thermochemistry of Niobium Oxides and Carbides,
by F. G. Dusenko, P. V. Geld.
RUSSIAN, per, Vak Noak SSSR Inst Metall, No 5,
1959, 1961, pp 41-51.
*FTD-MT-64-424

Sci - *Chem*
Oct 64

Vanadium and Its Fields of Application, by
I. I. Kornilov, N. M. Matveyeva. 418p

RUSSIAN, per, Trudy Instit Metallurg imeni
A. A. Baykova, 1961, pp 58-81. 9678801

FTD-TT-62-134

Sci - Min/Metal, Chem

5 Feb 62

Effects of Polarization and Inhibitor PB-5 on
the Corrosion Cracking of Carbon Steel, by
S. B. Fel'gina, V. V. Romanov. 108 p

RUSSIAN, per, Trudy Instit Metsllurg imeni
A. A. Baykova, 1961, pp 160-165. 9678301

FTD-TT-62-134

Sci - Min/Metal, Chem

5 Feb 62

Structural-Energy Theory of Fatigue
of Metals, by V. S. Ivanova, 22 pp.
RUSSIAN, per, Trudy Institut Metallurgii
AN SSSR, 1962, pp 11-23.
FTD MT 65-421

Sci-Mechanical
Jun 67

327,306

Studying Cyclic Strenght of Metals by the
Method of Recording Fatigue Diagrams, by
T. A. Lebedev and T. K. Marinets, et al,
RUSSIAN, per, Trudy Institut Metallurgiy,
1962, pp 141-~~146~~. P100073366
FTD-TT-65-1402

Sci-~~MMX~~ Materials
Jan 67

316,842

Investigation of the Process of Fatigue
Destruction of Metals by the Method
of Magnetic Hysteresis and Eddy Current
Losses, by O. I. Gushcha, 10 pp.
RUSSIAN, per, Trudy Institut Metallurgii
AN SSSR, 1962, pp 147-152.
FTD MT 65-421

421

Sci-Mechanical
Jun 67

327,307

Effect of Niobium on the Plasticity of a
Nickelbase Alloy, by A. N. Danil'chenko.

RUSSIAN, per, Trudy Inst Metall imeni A. A. Baykova,
No 9, 1962, pp 82-86.

MLL Ref: 5828.4 1963 (5281)
(Loan)

Sci - M/N
Jul 63

238,367

Conditions of Hot Rolling in Vacuum of Various Degrees,
in Argon, and in Air, by I. M. Pavlov, et al.
RUSSIAN, per, Trudy Instituta Metallurgii im A.A.
Baikova, No 9, 1962, pp 105-108.
HB 6448

Sci/M&M
Apr 65

277,100

On the Effect of the Temperature on Some Hot Rolling
Variables in Vacuum and Air, by I. M. Pavlov, et al.
RUSSIAN, per, Trudy Instituta Metallurgii im. A. A.
Baikova, No 9, 1962, pp 109-114.
HB 6449

Sci/ M&M
Apr 65

277,121

Separation of Liquid Eutectics by Centrifuging, by
A. A. Vertman, A. M. Samarin, 4 pp

RUSSIAN, per, Trudy Institut Met. Imeni, A. A.
Baikova, No 10, ~~IX~~ 1962, pp 152-154. 9217226

l
*AEC-TR-6075

Sci - Mat & Met

Aug 63

Strength of Thin Metal Fibers, by
V. N. Geminov, I. M. Kop'yev, 10 pp.
RUSSIAN, per, Trudy AN SSSR Instit
Metall Imeni A. A. Baikova, No 10,
1962, pp 202-208. 9697286
FTD-TT-65-14

Sci-M/M
Jul 65

263,546

New Electrolyte for Isolating the Intermetallic
Compound Ni_3Nb From Nb-Containing Ni-base Alloys,
by R. R. Golubtsova.

RUSSIAN, per, Trudy Inst Metallurgii imeni
A. A. Baykova, No 10, 1962, pp 215-216.

NLL Ref: 5828.4 1963 (5445) (loan)

May 64

Studying Mechanical and Thermal Fatigue of
Metals by the Internal Friction Method, by
V. S. Postnikov, I. V. Zolotukhin, 13 pp.
RUSSIAN, per, Trudy Inst Metallur im A. A. Baykova
Tekhnicheskaya Prochnost Metallov, 1962,
pp 218-226. 9696774
FTD-TT-64-1046

Sci - M/M
May 65

280,413

Determination of Small Amounts of Sulphur in
Steels, Cast Irons, Iron Ores and Other Materials, by
A. I. Ponomarev, A. A. Astanina.

RUSSIAN, per, Trudy Institute Metallurgii imeini
A. A. Baykova M Ak Nauk SSSR, No 10, 1962,
pp 231-238.

NLL Ref: 5828.4 1963 (5450) (lonn)